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DEPARTMENT OF THE NAVY
Bureau of Naval Personnel
Washington, D.C. 20370

BUPERS 1120.15F
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MARCORPS
10 November 1964

BUPERS INSTRUCTION 1120.15F

From: Chief of Naval Personnel
Commandant of the Marine Corps

To: All Ships and Stations

Subj: Permanent and temporary appointment in
the Medical Service Corps, Regular Navy;
inservice procurement program for

Encl: (1) Instructions for subject program
(2) List of study materials

1. Purpose. To outline the eligibility requirements and processing procedures whereby qualified personnel on active duty may seek permanent or temporary appointment to commissioned status in the various sections of the Medical Service Corps, U.S. Navy.

* **2. Cancellation.** This Instruction cancels and supersedes BUPERS Instruction 1120.15E.

BUPERS

J. O. COBB
Deputy Chief of Naval Personnel

3. Information. The Medical Service Corps Inservice Procurement Program is a continuing program on an annual basis which provides a path of advancement to commissioned officer status for senior HM and DT personnel who possess the necessary potential, outstanding qualifications, and motivation. This program also provides an opportunity for other eligible personnel, as specified herein, to obtain appointment in the Medical Service Corps, Regular Navy. *

4. Action. Addressees shall:

a. Insure that the information in this Instruction is brought to the attention of all eligible personnel. *

b. Recommend only fully qualified applicants for appointment under subject instruction. *

c. Insure that applications are prepared and forwarded in accordance with enclosure (1).

MARCORPS

LEWIS J. FIELDS
By direction

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MEMO
TO THE
DIRECTOR
FROM
[Illegible]

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Inservice Procurement Program
for
Medical Service Corps - Regular Navy

- Section A - Introduction
- Section B - Basic Eligibility Requirements
- Section C - Individual programs
 - C1 - Supply and Administration Section
 - C2 - Optometry, Pharmacy, and Medical Allied Sciences Sections
- Section D - Processing Instructions
 - D1 - Application and Examination Procedures
 - D2 - Documents Required

Section A - Introduction

- * **1. General.** The competition in the MSC Inservice Procurement Program is extremely keen and enlisted personnel aspiring toward appointment in the Medical Service Corps should commence preparation early in their careers through a sound and planned self-improvement program. Commanding officers, officers exercising supervision of prospective applicants, and officers performing educational duties should be alert to recognize and counsel individuals who possess the potential to become officer applicants. Past experience has demonstrated the need for particular attention in the following areas:
 - * **a.** Many applicants repeatedly apply for appointment under this program; however, nothing in their applications indicates any effort to improve their qualifications for selection. Sincerely motivated applicants should take full advantage of every opportunity to pursue a course of self-improvement through academic studies to the extent possible without prejudice to their primary duty assignment. This may be accomplished by participation in
 - (1) Part-time, off-duty courses of instruction at civilian educational institutions
 - (2) USAFI college-level courses
 - (3) Navy Correspondence Courses
 - * **b.** Since all applications are critically reviewed by the Naval Examining Board, they must be complete, concise, and accurate in every detail. In the past, many applications have lacked essential information and recommendations and evaluations have been general or stereotyped in nature. Each applicant has a responsibility to insure that his application is complete and accurate. Incorrect or missing information could, at the discretion of the Naval Examining Board, reflect adversely on the administrative abilities of the applicant. Applicants also share responsibility to insure that examinations are on board and that arrangements have been made for testing.
- * **2. Establishing Eligibility**
 - * **a.** Prior to appointment, candidates must be found physically, mentally, and morally qualified.
 - * **b.** In addition to the basic eligibility requirements listed in Section B, an applicant must meet the specific requirements of the individual program in Section C under which application is made.
 - * **c.** Minor physical defects, nonorganic in nature, may be waived by the Chief of Naval Personnel on the recommendation of the Chief, Bureau of Medicine and Surgery. However, no waivers of other eligibility requirements contained in this directive will be granted and none should be requested.
- * **3. Selection.** Eligible applicants will be considered by the Naval Examining Board convened by the Chief of Naval Personnel at the U.S. Naval Medical School, National Naval Medical Center, Bethesda, Maryland. While not all inclusive, the Naval Examining Board considers the following areas in evaluating applicants for appointment:
 - * **a. Performance.** A thorough evaluation of the entire service record and performance data contained in the application provides an indication of future officer potential.

- * **b. Officer Selection Battery (OSB) Test Score.** In addition to being used as a basis in establishing the number of enlisted applicants permitted to participate in the professional examination phase of the program, the OSB score is further considered by the Board in its evaluation of the applicant's qualifications for appointment.
- * **c. Education.** The Board considers all training and educational achievements of individual applicants. Therefore, it is very important that documentary evidence of such achievements be included in the application.
- * **d. Professional Examination.** The score obtained on all parts of the professional examination is utilized in measuring the applicant's general understanding of the functions of the specialty for which he applied.

* **4. Appointment.** All appointments in the Medical Service Corps effected under this program will be in the grade of Ensign, except for those applicants selected for appointment holding doctoral degrees in sciences allied to medicine approved by the Surgeon General, who may be appointed in the grade of Lieutenant, junior grade. Appointments will be tendered to selected male enlisted applicants in either a temporary (2302 designator) or permanent (2300 designator) status dependent upon service needs. Selected officer applicants and women enlisted applicants will be tendered permanent appointments (2300 designator) only. All appointments will be original appointments and the number and effective dates thereof will be determined according to the needs of the service.

* **Section B - Basic Eligibility Requirements**

Applicants for appointment in the Medical Service Corps, Regular Navy must meet the following basic eligibility requirements:

- * **a. Citizenship.** Must be a citizen of the United States
- * **b. Age**
 - (1) **Permanent appointment (2300 designator).** Must be at least 21 and under 32 years of age on date of appointment.
 - (2) **Temporary appointment (2302 designator) (Men only).** Must be at least 21 and must not have reached their 35th birthday as of 1 July of the year in which appointment can be first made.
- c. Physical.** Must be physically qualified in accordance with physical standards contained in the Manual of the Medical Department.
- d. Dependency and Parenthood (Women).** Women applicants must meet the dependency requirements as set forth in Article C-1102(2) of BUPERS Manual.

e. Discipline. Must have no record of convictions by courts-martial for the 2-year period preceding the date of the written professional examination.

f. Examinations

(1) All enlisted applicants will be required to take the Officer Selection Battery. This test consists of two parts: An aptitude portion, including General Aptitude and Military Knowledge, and an achievement portion composed of English, mathematics, science, history, and social studies. Applicants must attain a satisfactory score on the foregoing test as a prerequisite to participate in the professional examination. Enclosure (2) is a list of study materials recommended for review in preparation for the Officer Selection Battery Test.

(2) All enlisted applicants who make a satisfactory score on the Officer Selection Battery and all officer candidates except those appointed under Public Laws 729, 79th Congress and 647, 88th Congress (NROTC Regular), will be required to take a professional examination. Subject content of the examination is listed under the specific program.

Section C1 - Supply and Administration Section

- * **1. Eligibility Requirements.** In addition to meeting the basic eligibility requirements listed in Section B, applicants must meet the following specific requirements:

* **a. Source.** Must be members of the Regular Navy serving as a chief hospital corpsman or dental technician, or hospital corpsman or dental technician first class, and must have been serv-

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ing as a petty officer first class or higher for a period of at least one year prior to the date scheduled for the professional examination.

b. Education. Must meet one of the following requirements:

(1) Have successfully completed 30 semester hours, or equivalent quarter hours, at an accredited college or university or have the service accepted equivalent as defined in Article D-2103 (15), BUPERS Manual, or

(2) Be a high school graduate or have the service accepted equivalent as defined in Article D-2103(15) BUPERS Manual and have a GCT or ARI score of 60 or above.

*** 2. Examination**

*** a. Officer Selection Battery (OSB).** All applicants will be required to attain a satisfactory score on the Officer Selection Battery. Applicants failing to attain a satisfactory score will

not be eligible to participate in the professional examination.

b. Professional Examination. Applicants who * attain a satisfactory score on the OSB shall be required to take a professional examination designed to determine the applicant's knowledge in all fields related to Medical Department administration. Applicants should be prepared to write an essay-type examination where, given a set of facts, they must display the ability to recognize the problem, think of the concepts involved, and write a logical solution. The examination will include general Navy organization and administration, including, but not restricted to, the areas of: personnel administration, patient affairs, fiscal and supply, food service, military justice, Navy customs and traditions, and general Navy orientation.

3. Processing. Examination and application * processing shall be in accordance with the instructions contained in Section D.

Section C2 - Optometry, Pharmacy, and Medical Allied Sciences Sections

*** 1. Eligibility.** In addition to the basic eligibility requirements listed in Section B, applicants must meet the following specific requirements:

a. Source

(1) Enlisted and officer personnel of the Regular Navy and Naval Reserve on active duty.

(2) Enlisted personnel of the U.S. Marine Corps and U.S. Marine Corps Reserve on active duty.

(3) Officers of the U.S. Marine Corps Reserve on active duty.

b. Education

*** (1) Pharmacy Section.** Must possess a minimum of a baccalaureate degree from an accredited college or university with a major in pharmacy and must submit evidence of licensure as a pharmacist from one of the states or the District of Columbia.

(2) **Optometry.** Must possess a minimum of a baccalaureate degree from an accredited college or university with a major in optometry. Must also submit evidence of licensure as an optometrist by one of the states or the District of Columbia or evidence of having passed Parts

I and II of the National Board of Optometry Examination.

(3) Medical Allied Sciences Section *

(a) Must possess a minimum of a baccalaureate degree from an accredited college or university with a major in one of the sciences allied to medicine listed below: *

Bacteriology	Parasitology
Biochemistry	Pharmacology
Biophysics	Physiology
Chemistry	Psychology (clinical or experimental)
Entomology	Radiation Health
Hematology	Radiobiology
Industrial Hygiene	Radiochemistry
Medical Technology	Radiophysics
Microbiology	Serology
	Virology

or,

(b) Be serving as Regular Navy chief * hospital corpsmen or hospital corpsmen first class in professional specialties related to the above medical allied sciences (including, but not restricted to, techniques of clinical laboratory, radio-isotope, special research, aviation medicine, and submarine medicine) who have

completed at least 30 semester hours of work at an accredited college or university applicable to a degree in the specialty applied for and who have demonstrated outstanding performance, aptitude for advanced training, and potential for advancement. The Bureau of Medicine and Surgery will sponsor a training program for those selected applicants of the Medical Allied Sciences Section who have less than a baccalaureate degree.

* **2. Examinations.** In addition to the Officer Selection Battery requirement for enlisted applicants, as set forth in Section B, all applicants, except those appointed under Public Laws 729, 79th Congress and 647, 88th Congress (NROTC-Regular), will be required to take a professional examination. This examination will be prepared and forwarded by the Naval Examining Board, Naval Medical School, National Naval Medical Center, Bethesda, Maryland. The examination is designed to test the academic knowledge of the applicant in the various sciences related to his

professional field. Subjects to be covered are as follows:

a. Pharmacy Section. General inorganic, organic, and pharmaceutical chemistry, materia medica, toxicology, principles of pharmacy, incompatibilities, dispensing, history and literature of pharmacy.

b. Optometry Section. Ocular anatomy, ocular pathology, theoretic optometry, practical optics, visual fields, physiology, orthoptic treatment and procedures. A practical and oral examination will include examination of the eyes and their appendages, orthoptic procedures, plotting of visual fields, and prescription writing.

c. Medical Allied Sciences Section. Basic general examination, including experimental design, in the applicant's specialty.

3. Processing. Examination and application processing shall be in accordance with the instructions contained in Section D. *

Section D1 - Application and Examination Procedures *

1. General. Procedures for processing applications under Section C1 and C2 of this directive must include the steps delineated herein. When specific dates, as shown herein, fall on Saturday, Sunday, or a holiday, the first succeeding workday shall be substituted.

a. Enlisted personnel

(1) Written request. Prior to 1 October of the year preceding the calendar year in which the appointment can be effected, the applicant shall ascertain his eligibility in accordance with the requisites set forth in this directive and submit a written request to his commanding officer, briefly outlining his qualifications. The request shall clearly indicate the section, and in the case of the Medical Allied Sciences Section, the specialty for which the applicant considers himself qualified.

(2) Review of qualifications. The commanding officer shall review the applicant's qualifications (other than physical) and, if the requirements are met, he shall cause an entry to be made in the applicant's service record indicating that he has been nominated for appointment in the applicable section of the Medical Service Corps. In the event an individual does not meet the requirements, he shall be so informed in writing.

(3) Officer Selection Battery and professional examination

(a) Between 1 October and 15 October, the commanding officer shall request the Officer Selection Battery tests from the Naval Examining Center, Great Lakes, Illinois. Commanding officers of units whose operating schedules might preclude mail receipt of tests prior to scheduled date of examinations should submit requests prior to above period. Requests shall be submitted by speedletter or other rapid means with copy to the Chief of Naval Personnel (B623), shall reference this Instruction and include the names, rates, service numbers, and specialty of the applicants (e.g. supply and administration, pharmacy, bacteriology, etc.).

(b) The Naval Examining Center shall forward the Officer Selection Battery for each applicant nominated. Early requests submitted by operating units, as authorized in subparagraph (a), will be expedited. On 1 December commanding officers shall notify the Naval Examining Center by message of the non-receipt of any tests requested, making the Chief of Naval Personnel (Pers-B623) an information addressee.

(c) The Officer Selection Battery shall be administered to applicants throughout the naval service on the second Tuesday in January.

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The applicant shall record his specialty (e.g. supply and administration, pharmacy, bacteriology, etc.) on the first page of his answer sheet. The test will be administered locally under the supervision of at least one officer appointed by the commanding officer or the senior in chain of command. If an applicant has been transferred to another ship or station, the Officer Selection Battery shall be forwarded to the new duty station. All test materials, including scratch paper, shall be assembled and forwarded immediately after administration to the Naval Examining Center, Great Lakes, Illinois.

* (d) The Naval Examining Center shall score the answer sheets and report the results to the Chief of Naval Personnel (Pers-B623) by not later than 1 March. The report shall indicate the name, rate, service number, individual test part score, total raw score, duty station, and the specialty of the applicant (e.g. supply and administration, pharmacy, bacteriology, etc.). Report Symbol BUPERS 1231-1 has been assigned this report.

(e) The Chief of Naval Personnel will forward test results to the Chief, Bureau of Medicine and Surgery for the purpose of establishing a cutting score. Only those applicants above the cutting score will be qualified to participate in the professional examination.

(f) The Chief, Bureau of Medicine and Surgery will advise the Naval Examining Board, Naval Medical School, National Naval Medical Center, Bethesda, Maryland, of the names of applicants for whom professional examinations are to be forwarded and the names of those applicants who failed to qualify on the Officer Selection Battery test. The Chief of Naval Personnel will notify each applicant who has qualified on the Officer Selection Battery test to take the professional examination.

(g) By 1 April the Naval Examining Board will forward to each applicant's commanding officer either the professional examination for those who qualified on the Officer Selection Battery tests or a letter of notification for those who failed to qualify. No further action is required in the cases of those who failed to qualify. The Naval Examining Board shall take such action as necessary to insure timely receipt of professional examinations by units whose operating schedule may preclude receipt of mail for considerable periods of time. When considered advisable, professional examinations may be forwarded prior to receipt of the applicant's score on the Officer Selection Battery tests.

(h) On 16 April commanding officers shall notify the Naval Examining Board, Naval Medical School, National Naval Medical Center, Bethesda, Maryland, by message, of the non-receipt of professional examinations or notification of failure to qualify for applicants previously nominated.

(i) On the first Wednesday in May, the professional examination shall be administered to applicants throughout the naval service. The examination shall be administered locally under the supervision of two officers appointed by the commanding officer or the senior in chain of command. In the event that it is manifestly impracticable to have two officers administer the examination, one officer may perform this function. Detailed instructions for administration will accompany each examination. Immediately after administration, all test materials shall be assembled and forwarded to the Naval Examining Board, Naval Medical School, National Naval Medical Center, Bethesda, Maryland.

(4) **Physical examination.** The applicant shall be examined physically in accordance with Article 15-42, Manual of the Medical Department. The applicant shall be advised that the opinion of the examining officer is not conclusive and that final determination of physical qualifications for appointment will be made pursuant to the findings of a board of medical examiners or a board of medical officers established within the Bureau of Medicine and Surgery. At the same time, the applicant shall be informed by the commanding officer that he may undergo the written professional examination, if he desires, but that an approved finding by the review board that he is not physically qualified will bar him from appointment regardless of whether he may otherwise be qualified.

(5) **Personal interview.** The applicant shall be given a personal interview by a local board of officers. The board shall be appointed by the commanding officer or senior in chain of command and will consist of three commissioned officers of whom the senior member shall be at least a lieutenant commander and no member shall be below the grade of lieutenant. In the event that it is manifestly impracticable for a board of the seniority prescribed to be convened, the commanding officer shall perform the function of the board and shall justify the necessity therefor by appropriate explanation in his endorsement. The board will assess the personal qualifications of the applicant and indicate to what degree the applicant possesses the qualities listed on the Interviewer's Appraisal Sheet.

Each member will submit, on a separate NAVPERS 958, his personal appraisal of the applicant's qualifications and will sign the completed form. The evaluations will be forwarded as enclosures to the application. Officers serving on the Interview Board shall be reminded that the statement required in Section V of the Interviewer's Appraisal Sheet is not to relate to the applicant's performance of duty but rather to the impressions gained and motivation displayed at the time of interview.

(6) **Enlisted Evaluation Report.** The commanding officer shall prepare an Enlisted Evaluation Report (NAVPERS 1339) on each applicant. The report shall be completed in accordance with the instructions contained thereon and shall include comments based on the observation of the applicant during the processing period. If, during the processing period, the applicant is transferred, the transferring commanding officer shall, at the time of transfer, prepare the report for the period observed and forward same to the next commanding officer.

(7) **Submission of application.** By 1 May the applicant shall submit a formal application (NAVPERS 953) to the Chief of Naval Personnel (Pers-B623) via his commanding officer. The applicant shall indicate the section and, in the case of the Medical Allied Sciences Section, the specialty for which application is made under Item 4 of NAVPERS 953. Documents enumerated in Section D2 shall accompany the application. The commanding officer shall review the application and enclosures for completeness and will return same to the applicant for any required documents not included. He shall place his forwarding endorsement thereon, including a definite recommendation giving brief, specific reasons therefor. He shall make a specific statement that the applicant is or is not considered desirable officer material. In view of the above, it is essential that the commanding officer take a personal interest in each candidate and personally prepare his forwarding remarks.

b. Officer personnel

(1) **Written request.** By 1 October, officer personnel desiring to be considered for appointment in the Pharmacy, Optometry, or Medical Allied Sciences Sections shall submit a written request in the manner described in subparagraph 1a(1) above. *

(2) **Review of qualifications.** The commanding officer shall review the applicant's qualifications and, if the requirements are met, he shall be examined physically as in subparagraph 9a(4) above. The examination shall be conducted in sufficient time to submit SF 88 and SF 89 with formal application. *

(3) **Submission of application.** Prior to 1 January, the candidate shall submit a formal application to the Chief of Naval Personnel (Pers-B623) via the commanding officer. The applicant shall include the section and, in the case of the Medical Allied Sciences Section, the specialty for which application is made. Documents enumerated in Section D2 shall accompany the application. *

(4) **Professional examination.** By 1 April the Naval Examining Board, Naval Medical School, National Naval Medical Center, Bethesda, Maryland, will forward a professional examination to the commanding officer of the applicant. On 16 April commanding officers shall notify, by message, the Naval Examining Board of the non-receipt of any professional examinations for applicants who have submitted their applications. The Chief of Naval Personnel (Pers-B623) shall be included as an information addressee. On the first Wednesday in May, the professional examination shall be administered as set forth in subparagraph 1a(3)(i) above.

c. Marine Corps personnel. Applications submitted by officer or enlisted personnel of the Marine Corps must be prepared in accordance with subparagraphs a. and b. above, as appropriate, and must be addressed to the Chief of Naval Personnel (Pers-B623) via the Commandant of the Marine Corps.

Section D2 - Documents Required

Forms and documents required for the completed application file are listed below:

a. Enlisted personnel

(1) Application for commission - 2 copies (A complete resumé of civilian experience must be included; additional 8x10 1/2 sheets of paper may be used if necessary) NAVPERS 953

* (2) National Agency Check Request and Fingerprint Card OPNAV 5510-397
OPNAV 5510-2

OR

“Certified true copy” of a valid source document as defined by subparagraphs 4b(1) through (3) of BUPERSINST 5521.2 (series), reporting the results of a satisfactory NAC or BI completed within the past 5 years.

(3) Report of Medical Examination, in duplicate SF 88

(4) Report of Medical History SF 89

(5) Statement of Personal History DD 398

(6) Armed Forces Security Questionnaire DD 98

(7) Evidence of Citizenship, if applicable NAVPERS 915

* (8) Interviewer's Appraisal Sheets, one completed by each interviewing officer NAVPERS 958

(9) Enlisted Evaluation Report NAVPERS 1339

* (10) Dependency Statement (Women only) NAVPERS 2852

* (11) Certified statement of following data abstracted from service record:

(a) Statement of service, indicating all service with the Armed Services, including dates of enlistment, extension of enlistment, discharge, total time served, and time lost due to misconduct, whether active or inactive if in one of the Reserve components. Service data will be computed to 1 July.

(b) Summary of all service schools attended, including length of course, grades received, and class standing, if available. *

(c) Summary of all correspondence courses completed, including grades received. *

(d) If applicable, evidence of completion of USAFI GED first-year college level--evidence of service accepted equivalent if high school graduate. *

(e) GCT and ARI scores

(f) Date advanced to present rate. *

(12) Evidence of all educational achievements at civilian institutions including: *

(a) High school transcript.

(b) Transcripts or grade reports of all college work completed, including part-time, off-duty courses. Include evidence of any degree awarded.

b. Officer Personnel *

(1) Letter request for appointment in the Medical Service Corps listing section and specialty, if applying for Medical Allied Sciences Section.

(2) Letter of resignation, contingent upon reappointment in the Medical Service Corps.

(3) Report of Medical Examination, in duplicate SF 88

(4) Report of Medical History SF 89

(5) “Certified true copy” of valid source document as defined in subparagraphs 4b(1) through (3) of BUPERSINST 5521.2 (series), reporting the results of a satisfactory NAC or BI completed within the past 5 years.

OR

National Agency Check Request and Fingerprint Card OPNAV 5510-397
OPNAV 5510-2

(6) Officer Qualification Questionnaire NAVPERS 309

(7) Special Fitness Report NAVPERS 310

(8) Transcripts of all college work completed which are not on file in BUPERS' service record.



List of study materials recommended for review for the examination administered to in-service personnel nominated for appointment under the Warrant Officer Program and Integration Program

1. Navy Texts and Correspondence Courses**Texts**

The United States Navy--Guardian of Our Country
(The Navy Credo)--OPNAVINST 5720.17 of 7
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Naval Orientation, NAVPERS 16138C

Correspondence Courses

Naval Orientation, NAVPERS 10900

2. USAFI Courses**History and Social Studies****American History I**

F 200 The Making of Modern America (text)
F 200.1 Study Guide

American History II

F 200 The Making of Modern America (text)
F 201.1 Study Guide

World History I

D 202 Man's Story (text)
D 202.1 Study Guide

World History II

D 202 Man's Story (text)
D 203.1 Study Guide

World Geography I

C 225 The Wide World (text)
C 225.1 Study Guide

World Geography II

C 225 The Wide World (text)
C 226.1 Study Guide

Principles of Economics I

B 453 Economics: An Introductory Analysis
(text)
B 453.1 Study Guide
B 453.3 Readings in Economics
(supplementary text)

Understanding American Government I

D 220 Our American Government (text)
D 220.1 Study Guide
D 220.3 The President of the United States
(supplementary booklet)

or

American Government I

D 475 Government by the People (text)
D 475.1 Study Guide
D 475.3 Outside Readings in American
Government (supplementary text)

American Government II

D 475 Government by the People (text)
D 476.1 Study Guide
D 475.3 Outside Readings in American
Government (supplementary text)

Science**Biology I**

D 250 Modern Biology (text)
D 250.1 Study Guide

Biology II

D 250 Modern Biology (text)
D 251.1 Study Guide

Physics I

D 290 Modern Physics (text)
D 290.1 Study Guide

Physics II

D 290 Modern Physics (text)
D 291.1 Study Guide

Survey of Physical Science I

B 512 Fundamentals of Physical Science
(text)
B 512.1 Study Guide

Survey of Physical Science II

B 512 Fundamentals of Physical Science
(text)
B 513.1 Study Guide

General Science I

E 275 Science for Progress
E 275.1 Study Guide

General Science II

E 275 Science for Progress
E 276.1 Study Guide

General Chemistry I

D 285 Chemistry and You
D 285.1 Study Guide

General Chemistry II

D 285 Chemistry and You
D 286.1 Study Guide

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English

Advanced Composition I

- B 108 Guide to Modern English (text)
- B 108.1 Study Guide
- B 108.2 Workbook

Mathematics

General Mathematics I

- C 151 Mathematics to Use (text)
- C 151.1 Study Guide
- SP-1 Compass
- SP-2 Graph Paper

General Mathematics II

- C 151 Mathematics to Use (text)
- C 152.1 Study Guide
- SP-1 Compass
- SP-2 Graph Paper

Beginning Algebra I

- D 164 Algebra, Its Big Ideas and Basic Skills,
Book I (text)
- D 164.1 Study Guide
- SP-2 Graph Paper
- SP-5 Ruler

Beginning Algebra II

- D 164 Algebra, Its Big Ideas and Basic Skills,
Book I (text)
- D 165.1 Study Guide
- SP-2 Graph
- SP-5 Ruler

Plane Geometry I

- C 176 Plane Geometry
- C 176.1 Study Guide

Plane Geometry II

- C 176 Plane Geometry
- C 177.1 Study Guide

Trigonometry

- C 188 Trigonometry
- C 188.1 Study Guide

**3. USAFI Subject Standardized Tests
and End-of-Course Tests**

- Beginning Algebra 1, SA 164.7 (H.S.)
- Understanding American Government I,
D 220.7 (H.S.)
- Advanced Composition I, B 108.7(H.S.)
- American History I, SA 200.7 (H.S.)
- World History I, D 202.7 (H.S.)
- Physics I, SA 290.7 (H.S.)
- Biology I, SA 250.7 (H.S.)
- Principles of Economics I, B 453.7
(Col.)